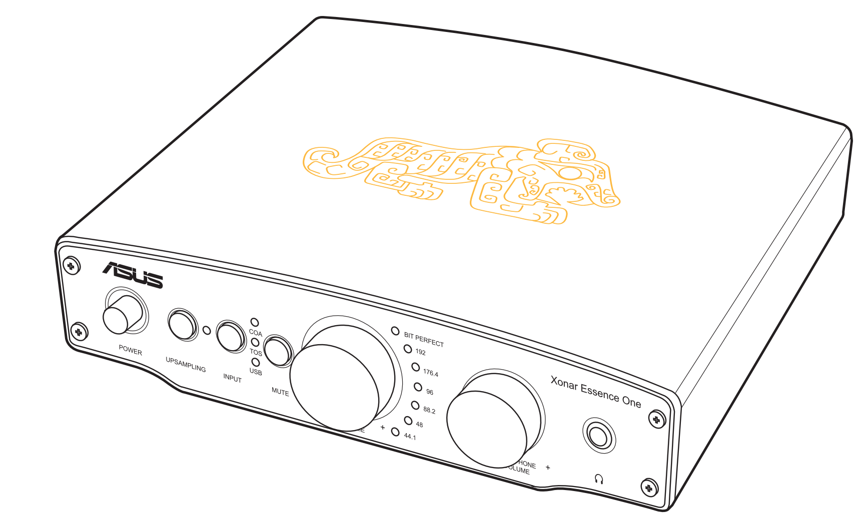
U8267 / Second Edition / March 2013

Xonar Essence One

Hi-Fi USB DAC (Digital-to-Analog Converter)



Quick Start Guide

Safety Information

1. Read and keep these instructions for future reference.
2. Follow all instructions and take note of all warnings.
3. Do not use this apparatus near water or expose the device to moisture.
4. Clean machine surface with a cloth. Avoid using detergent or cleaning fluid.
5. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
6. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
7. The polarized or grounding-type plug is for user safety. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the outlet.
8. Protect the power cord from being stepped on or compressed particularly at the point where it exits from the apparatus.
9. Only use attachments/accessories approved by the manufacturer.
10. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When using a cart, take care to avoid tipping over the load when moving the device.
11. Unplug this apparatus during lightning storms or when not in use for a long period of time.
12. Refer all repairs to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as when the power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.



Package Contents

This package should contain the following:

- ASUS Xonar Essence One Hi-Fi USB DAC x 1
- USB cable ('B-A' type) x 1
- Audio Precision (AP) test report x 1
- Power cord x 1 (may contain two power cords depending on region/country)
- User Manual x 1
- Installation driver CD x 1
- 6.3mm to 3.5mm adapter x 1

System Requirements

To ensure a successful installation of the ASUS Xonar Essence One USB DAC, your computer must meet the following requirements:

- IBM compatible PC with one USB2.0 (or higher) compatible port for the USB audio device
- Microsoft® Windows® 8 (32/64bit) / 7 / XP (32/64bit) / MCE2005
- Intel® Pentium® 4 1.4GHz, AMD Athlon 1400 CPU, or faster CPU
- 256 MB DRAM system memory
- 60 MB available HDD space for driver installation
- CD-ROM drive (or DVD-ROM drive) for software installation
- High-quality headphones or powered analog speakers

Driver Installation

After connecting the ASUS Xonar Essence One to your computer using the bundled USB cable, install the device driver using the provided CD.

NOTES:

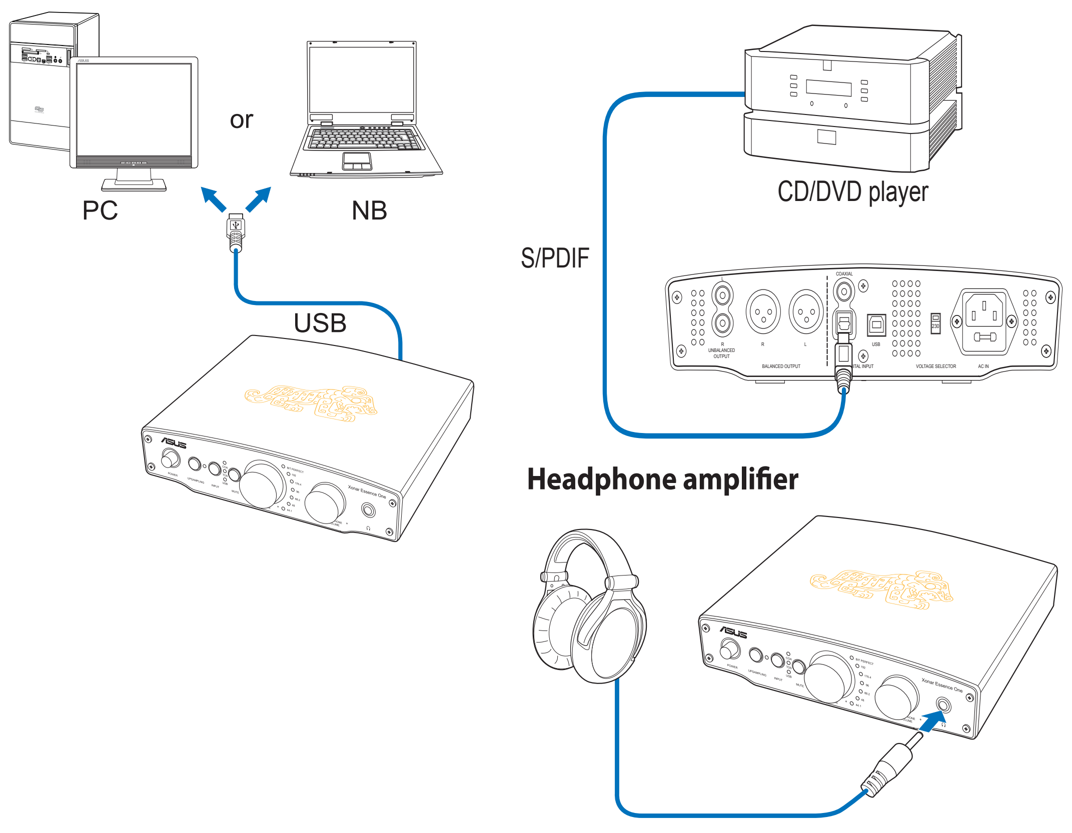
- Driver installation is only required if you plan to connect the ASUS Xonar Essence One to a PC or notebook.
- Driver version and the contents of the support CD are subject to change without notice.

To install the device driver:

1. Insert the **ASUS Xonar Essence One Support CD** into your optical drive. Proceed to step 5 if **Autorun** is enabled on your computer and the driver setup screen appears. If Autorun is not enabled on your computer, perform step 2.
2. On your Windows desktop, launch **File Explorer**.
   - Windows® 7 SP1 — Click **Start** then **Computer**.
   - Windows® 8 — Click ⊞ **+ E**
3. In **File Explorer**, double-click the optical drive icon.
4. Double-click **Setup.exe**.
5. Read through the **End User License Agreement** and click **Accept** when prompted. Follow the onscreen instructions to complete the driver installation.
6. When driver installation is complete, you will be prompted to restart your computer.

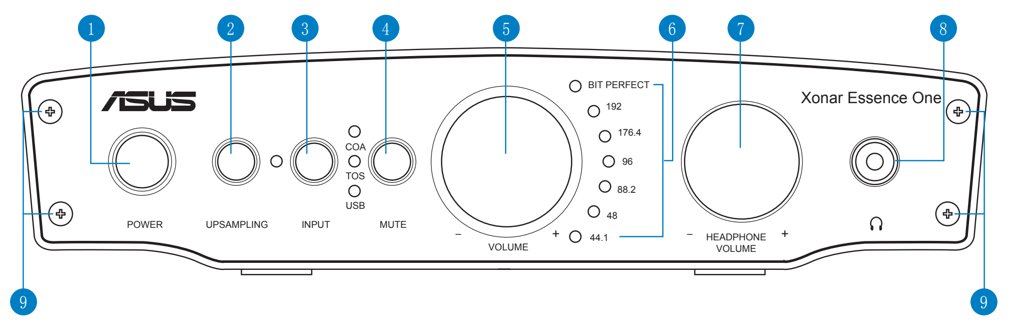
Functionality

USB DAC (Digital-to-Analog Convertor) **Stand alone DAC**



Hardware Features

Front panel



1. **Power On/Off**: Press to power off/on Xonar Essence One.
2. **Upsampling function on/off**: (1) Press to turn on the upsampling function which increases sample rate to 352.8 or 384kHz symmetrically and bit rate to 32bit; (2) When the upsampling function is turned on, the LED light of Bit perfect / sample rate indicator will light off.
3. **Input selection**: Press to select among USB, Toslink or Coaxial Inputs. The corresponding LED will light up to show which source has been selected.
4. **Mute:** Press to mute headphone and speaker output; again to unmute.
5. **Speaker volume control**: The Volume Control controls the output level of the balanced XLR and unbalanced RCA analog outputs.
6. **Bit perfect / Sample Rate Indicator**: (1) The relevant LED will light up to indicate the sample rate of your audio source (44.1kHz, 48 kHz, 88.2 kHz, 96 kHz, 176.4 kHz, and 192 kHz); (2) Bit perfect: light on under ASIO model
7. **Headphone volume control**: The volume control adjusts the output levels of the headphone jacks.
8. **1/4" Headphone output**: Connect your high-quality headphones/headsets with 6.3mm connector (Please use the attached 6.3mm to 3.5mm connector if your headphones/headsets are of 3.5 mm ports)
9. **Set screws**: These 4 screws are used to hold the machine bed (including PCB board and power module) and machine housing together.

Hardware Features

FRANÇAIS
Panneau avant

1 Bouton Marche/Arrêt
2 Suréchantillonnage
3 Sélection d'entrée
4 Sourdine
5 Contrôle du volume (haut-parleurs)
6 Voyant lumineux Bit-perfect / taux d'échantillonnage
7 Contrôle du volume (casque)
8. Sortie casque 1/4"
9. Ensemble de vis

DEUTSCH
Vorderseite

1. Ein-/Austaste
2. Upsampling-Funktion An/Aus
3. Eingangswahl
4. Stummschalten
5. Lautsprecher-Lautstärkeregler
6. Anzeige für Bit Perfect / Sample Rate (Abtastrate)
7. Kopfhörer-Lautstärkeregler
8. 1/4" Kopfhöreranschluss
9. Schrauben

ITALIANO
Pannello frontale

1. Accensione/spegnimento
2. Attiva/disattiva la funzione di sovracampionamento
3. Selezione input
4. Silenziamento
5. Controllo volume altoparlanti
6. Indicatore Bit perfect / frequenza di campionamento
7. Controllo volume cuffie
8. Uscita cuffie 1/4"
9. Viti

РУССКИЙ
ФРАНЦУЗСКИЙ

1. Включение/отключение питания
2. Включение/отключение функции upsampling (повышение частоты выборки)
3. Выбор входа
4. Отключить звук
5. Регулятор громкости динамиков
6. Bit perfect/индикатор частоты дискретизации
7. Регулятор громкости наушников
8. 1/4" разъем для наушников
9. Винты крепления

БЪЛГАРСКИ
Преден панел

1. Вкл./Изкл.
2. Вкл./изкл. на увеличаване на честотата на дискретизация
3 Избор на вход
4. Изключване на звука
5. Управление на силата на звука на високоговорителя
6. Bit perfect/Индикатор на честотата на дискретизация
7. Управление на силата на звука на слушалките
8. 1/4" изход за слушалки
9. Комплект винтове

HRVATSKI
Prednja ploča

1. Uključivanje / isključivanje
2. Funkcija uzorkovanja uključena/isključena
3. Odabir ulaza
4. Utišaj
5. Regulator glasnoće zvučnika
6. Indikator za Bit perfect / brzinu prijenosa
7. Regulator glasnoće slušalica
8. Utičnica za slušalice ¼ inča
9. Komplet vijaka

ČEŠTINA
Přední panel

1. Vypínač
2. Zapnutí/vypnutí funkce zvýšení vzorkovací frekvence
3. Výběr vstupu
4. Ztlumit
5. Ovladač hlasitosti reproduktorů
6. Indikátor Bit-Perfect / vzorkovací frekvence
7. Ovladač hlasitosti sluchátek
8. Výstup pro připojení 1/4" sluchátek
9. Sada šroubků

DANSK
Forpanel

1. Tænd/sluk
2. Opsampling-funktion til/fra
3. Indgangsvalg
4. Lyd fra
5. Lydstyrkeknap til højttaler
6. Bit perfect / Samplefrekvens-indikator
7. Lydstyrkeknap til hovedtelefoner
8. 1/4" Hovedtelefonstik
9. Skruer

NEDERLANDS
Voorpaneel

1. In/uitschakelen
2. Functie Upsampling aan/uit
3. Ingangsselectie
4. Dempen
5. Volumeregeling luidspreker
6. Indicator bitperfect / bemonsteringsfrequentie
7. Volumeregeling hoofdtelefoon
8. 1/4" hoofdtelefoonuitgang
9. Set schroeven

SUOMI
Etupaneeli

1. Virta Päälle/Pois
2. Parannustoiminto päälle/pois
3. Tulon valinta
4. Mykistä
5. Kaiuttimen äänenvoimakkuuden säätö
6. Bit perfect / Näytenopeus -merkkivalo
7. Kuulokkeiden äänenvoimakkuuden säätö
8. 1/4" kuulokelähtö
9. Aseta ruuvit

ΕΛΛΗΝΙΚΆ
Μπροστινή πλευρά

1. Λειτουργία On/Off (Ενεργ./Απενεργ.)
2. Ενεργ./Απενεργ. λειτουργίας δειγματοποίησης προς τα πάνω
3. Επιλογή εισόδου
4. Σίγαση
5. Ρύθμιση έντασης ηχείου
6. Ένδειξη Bit perfect / Ρυθμός δειγματοληψίας
7. Ρύθμιση έντασης ακουστικών
8. Έξοδος ακουστικών 1/4"
9. Ρύθμιση βιδών

MAGYAR
Előlap

1. Főkapcsoló
2. Felskálázás funkció be/ki
3. Bemenetválasztás
4. Némítás
5. Hangszóró hangerő-szabályozó
6. Érintetlen bitátvitel / Mintavételezési sebesség kijelző
7. Fejhallgató hangerő-szabályozó
8. 1/4"-es fejhallgató-kimenet
9. Állítócsavarok

NORSK
Frontpanel

1. Strøm på/av
2. Oppsamplingsfunksjon på/av
3. Inngangsvalg
4. Demp
5. Volumkontroll for høyttaler
6. Bitperfekt / samplingsfrekvensindikator
7. Volumkontroll for hodetelefon
8. 1/4" hodetelefonutgang
9. Innstillingsskruer

POLSKI
Panel przedni

1. Włączenie/wyłączenie zasilania
2. Włącznik/wyłącznik funkcji zwiększania próbkowania
3. Wybór wejścia
4. Wyciszenie
5. Regulacja głośności głośnika
6. Wskaźnik zgodności bitowej/częstotliwości próbkowania
7. Regulacja głośności słuchawek
8. Wyjście słuchawkowe 1/4 cala
9. Wkręty dociskowe

PORTUGUÊS
Painel frontal

1. Ligar/Desligar
2. Activar/desactivar a função de aumento da frequência de amostragem
3. Seleção da entrada
4. Cortar o som
5. Controlo do volume do altifalante
6. Indicador de bit perfect / frequência de amostragem
7. Controlo do volume dos auscultadores
8. Saída para auscultadores de 1/4"
9. Parafusos

ROMÂNĂ
Panoul frontal

1. Pornire/Oprire alimentare
2. Activarea/Dezactivarea funcţiei de anulare e eşantionării
3. Selectare intrare
4. Dezactivare sunet
5. Control al volumului pentru difuzoare
6. Indicator Bit perfect/rată de eşantionare
7. Control al volumului pentru căşti
8. Ieşire 1/4" căşti
9. Şuruburi de fixare

ESPAÑOL
Panel frontal

1. Encendido y apagado
2. Activar/Desactivar la función de aumento de la tasa de muestreo
3. Selección de entrada
4. Silencio
5. Control de volumen del altavoz
6. Indicador de Bit-Perfect y tasa de muestreo
7. Control de volumen de los auriculares
8. Salida de auriculares de 1/4"
9. Tornillos

SVENSKA
Frontpanel

1. Ström På/Av
2. Uppsamplingsfunktion på/av
3. Inmatningsval
4. Tysta
5. Kontroll högtalarvolym
6. Bit perfekt/indikator samplingshastighet
7. Kontroll hörlursvolym
8. ¼ tum hörlursutmatning
9. Uppsättning skruvar

SRPSKI
Prednji panel

1. Uključeno/isključeno napajanje
2. Funkcija za učestalost uzorkovanja uključena/isključena
3. Odabir unosa
4. Utišaj
5. Kontrola jačine tona zvučnika
6. Bit savršen / Indikator za učestalost uzorkovanja
7. Kontrola jačine tona slušalica
8. 1/4" ilzaz za slušalice
9. Zavrtnji kompleta

SLOVENŠČINA
Sprednja plošča

1. Vklop/izklop
2. Vklop/izklop funkcije ojačenja vzorčenja
3. Izbira vhoda
4. Nemo
5. Nadzor glasnosti zvočnika
6. Indikator idealnih bitov / hitrosti vzorčenja
7. Nadzor glasnosti slušalk
8. 1/4" izhod za slušalke
9. Namestite vijake

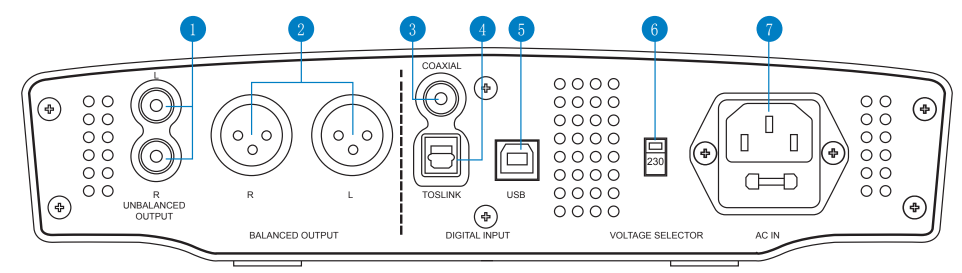
TÜRKÇE
Ön panel

1. Güç Açık/Kapalı
2. Üst örnekleme işlevi açık/kapalı
3. Giriş seçimi
4. Sessiz
5. Hoparlör ses denetimi
6. Bit mükemmel / Numune Oranı Göstergesi
7. Kulaklık ses denetimi
8. 1/4" Kulaklık Çıkışı
9. Ayar vidaları

УКРАЇНСЬКА
Передня панель

1. Увімкнути/вимкнути живлення
2. Увімкнути/вимкнути функцію дискретизації
3. Вибір входу
4. Без звуку
5. Контроль гучності динаміків
6. Bit perfect / Індиактор частоти дискретизації
7. Контроль гучності навушників
8. Вихід гарнітури 1/4"
9. Встановити гвинти

Rear panel



1. **Unbalanced RCA Output (line-out)**: Conventional stereo outputs for connection to the line-level phono/RCA inputs of a speaker
2. **Balanced XLR Output (line-out)**: ASUS Xonar Essence One also features true balanced (XLR) outputs. Connect Xonar Essence One with equipment such as speakers of Balanced XLR connections.
3. **Coaxial S/PDIF Input**: Connect your digital source, such as CD/DVD players or computer with S/PDIF output, to digital input. Use either S/PDIF coaxial or Toslink optical type, each being of equal quality.
4. **Toslink Optical Input**: This port is for Toslink Optical Input.
5. **USB port**: Connect a PC via a Type B to Type A USB lead.
6. **Voltage selection (115/230V):** Select the appropriate system input voltage according to the voltage supply in your area .
7. **Power port (AC in)**: Plug the supplied power cord into the Xonar Essence One once you have completed all connections.

FRANÇAIS
Panneau arrière

1. Sortie RCA dissymétrique (line-out).
2. Sortie XLR symétrique (line-out)
3. Entrée S/PDIF coaxiale
4. Entre Toslink optique
5. Port USB
6. Sélection du voltage (115/230V)
7. Prise d'alimentation (entrée CA)

DEUTSCH
Rückseite

1. Unbalancierte RCA-Ausgänge (line-out)
2. Balancierte XLR-Ausgänge (line-out)
3. Koaxialer S/PDIF-Eingang
4. Toslink Optischer Eingang
5. USB-Anschluss
6. Spannungswähler (115/230V)
7. Stromkabelanschluss (AC in)

ITALIANO
Pannello posteriore

1. Uscita RCA non bilanciata (line-out).
2. Uscita XLR bilanciata (line-out)
3. Ingresso coassiale S/PDIF
4. Ingresso ottico Toslink
5. Porta USB
6. Selezione Voltaggio (115/230V)
7. Porta alimentazione (AC in)

РУССКИЙ
Задняя панель

1. Несимметричный выход RCA (линейный выход)
2. Симметричный выход XLR (линейный выход)
3. Коаксиальный S/PDIF-вход
4. Оптический вход Toslink
5. Порт USB
6. Переключатель напряжения (115/230В)
7. Разъем питания (перем. ток)

Hardware Features

БЪЛГАРСКИ

Заден панел

1. Небалансиран RCA изход (Line-Out)
2. Балансиран XLR изход (Line-Out)
3. Коаксиален S/PDIF вход
4. TOSLINK оптичен вход
5. USB порт
6. Избор на напрежението (115/230V)
7. Порт на захранване (DC вход)

HRVATSKI

Stražnja ploča

1. Neuravnoteženi RCA izlaz (linijski izlaz)
2. Uravnoteženi XLR izlaz (linijski izlaz)
3. Koaksijalni S/PDIF ulaz
4. TOSLINK optički ulaz
5. USB priključak
6. Odabir napona (115/230 V)
7. Priključak za napajanje (DC ulaz)

ČEŠTINA

Zadní panel

1. Nevyvážený výstup RCA (linkový výstup)
2. Vyvážený výstup XLR (linkový výstup)
3. Koaxiální vstup S/PDIF
4. Optický vstup TOSLINK
5. Port USB
6. Výběr napětí (115/230 V)
7. Port napájení (vstup stejnosměrného napájení)

DANSK

Bagpanel

1. Ikke-balanceret RCA-udgang (linje-ud)
2. Balanceret XLR-udgang (linje-ud)
3. Koaksial S/PDIF-indgang
4. TOSLINK optisk indgang
5. USB-port
6. Spændingsvalg (115/230V)
7. Strømport (DC-indgang)

NEDERLANDS

Achterpaneel

1. Niet-gebalanceerde RCA-uitgang (lijnuitgang)
2. Gebalanceerde XLR-uitgang (lijnuitgang)
3. Coaxiale S/PDIF-ingang
4. Optische TOSLINK-ingang
5. USB-poort
6. Spanningsselectie (115/230V)
7. Voedingsaansluiting (DC in)

SUOMI

Takapaneeli

1. Tasapainottamaton RCA-lähtö (Linja ulos)
2. Tasapainotettu XLR-lähtö (Linja ulos)
3. Koaksiaali S/PDIF -tulo
4. TOSLINK-optinen tulo
5. USB-portti
6. Jännitevalinta (115/230 V)
7. Virtaportti (Tasavirtatulo)

ΕΛΛΗΝΙΚΑ

Πίσω πλευρά

1. Μη εξισορροπημένη έξοδος RCA (Γραμμή εξόδου)
2. Εξισορροπημένη έξοδος XLR (Γραμμή εξόδου)
3. Ομοαξονική είσοδος S/PDIF
4. Οπτική είσοδος TOSLINK
5. Θύρα USB
6. Επιλογή τάσης (115/230V)
7. Θύρα ισχύος (είσοδος DC)

MAGYAR

Hátlap

1. Aszimmetrikus RCA kimenet (Vonalszintű kimenet)
2. Szimmetrikus XLR kimenet (Vonalszintű kimenet)
3. Koaxiális S/PDIF bemenet
4. TOSLINK optikai bemenet
5. USB-port
6. Feszültségválasztó (115/230 V)
7. Tápfeszültség bemeneti aljzat (DC bemenet)

PORTUGUÊS

Painel traseiro

1. Saída RCA desequilibrada (saída de linha).
2. Saída XLR equilibrada (saída de linha)
3. Entrada S/PDIF coaxial
4. Entrada óptica Toslink
5. Porta USB
6. Selecção de tensão (115/230V)
7. Porta de alimentação (entrada AC)

NORSK

Bakpanelet

1. Ubalansert RCA-utgang (linje ut)
2. Balansert XLR-utgang (linje ut)
3. Koaksial S/PDIF-inngang
4. TOSLINK optisk inngang
5. USB-port
6. Spenningsvalg (115/230 V)
7. Strømkontakt (likestrøm inn)

POLSKI

Panel tylny

1. Niezbalansowane wyjście RCA (wyjście liniowe).
2. Zbalansowane wyjście XLR (wyjście liniowe)
3. Wejście koncentryczne S/PDIF
4. Wejście optyczne Toslink
5. Port USB
6. Przełącznik napięcia (115/230 V)
7. Port zasilania (wejście AC)

ROMÂNĂ

Panoul din spate

1. Ieşire RCA dezechilibrată (ieşire linie)
2. Ieşire XLR echilibrată (ieşire linie)
3. Intrare coaxială S/PDIF
4. Intrare optică TOSLINK
5. Port USB
6. Selectare tensiune (115/230V)
7. Port alimentare (intrare c.c.)

SRPSKI

Zadnji panel

1. Nebalansiran RCA izlaz (Izlazna linija)
2. Balansiran XLR izlaz (Izlazna linija)
3. Koaksijalni S/PDIF ulaz
4. TOSLINK optički ulaz
5. USB port
6. Odabir napona (115/230V)
7. Priključak za napajanje (DC ulaz)

SLOVENŠČINA

Zadnja plošča

1. Uravnotežen izhod RCA (»line-out«)
2. Uravnotežen izhod XLR (»line-out«)
3. Koaksialni vhod S/PDIF
4. Optični vhod TOSLINK
5. Vrata USB
6. Izbira napetosti (115/230V)
7. Vrata za napajanje (vhodna enosm. napetost)

ESPAÑOL

Panel posterior

1. Salida RCA no balanceada (salida de línea).
2. Salida XLR balanceada (salida de línea)
3. Entrada S/PDIF coaxial
4. Entrada óptica Toslink
5. Puerto USB
6. Selección de voltaje (115/230 V)
7. Conector de alimentación (entrada de CA)

SVENSKA

Bakre panel

1. Obalanserad RCA utmatning (Line-Out)
2. Balanserad XLR utmatning (Line-Out)
3. Koaxial S/PDIF inmatning
4. TOSLINK optisk inmatning
5. USB-port
6. Spänningsval (115/230 V)
7. Strömport (DC in)

TÜRKÇE

Arka panel

1. Dengelenmemiş RCA Çıkışı (çıkış)
2. Dengeli XLR Çıkışı (Hat Çıkışı)
3. Koaksiyel S/PDIF Girişi
4. Toslink Optik Girişi
5. USB bağlantı noktası
6. Gerilim seçme (115/230V)
7. Güç bağlanı noktası (DC girişi)

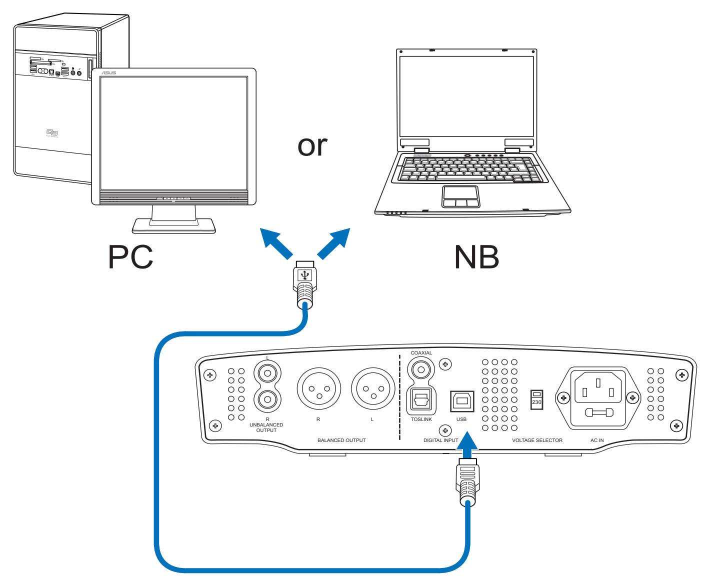
УКРАЇНСЬКА

Задня панель

1. Незбалансований вихід RCA (Вихід лінії)
2. Збалансований вихід XLR (Вихід лінії)
3. Коаксіальний вхід S/PDIF
4. Оптичний вхід TOSLINK
5. Порт USB
6. Вибір напруги (115 / 230 В)
7. Порт живлення (вхід постійного струму)

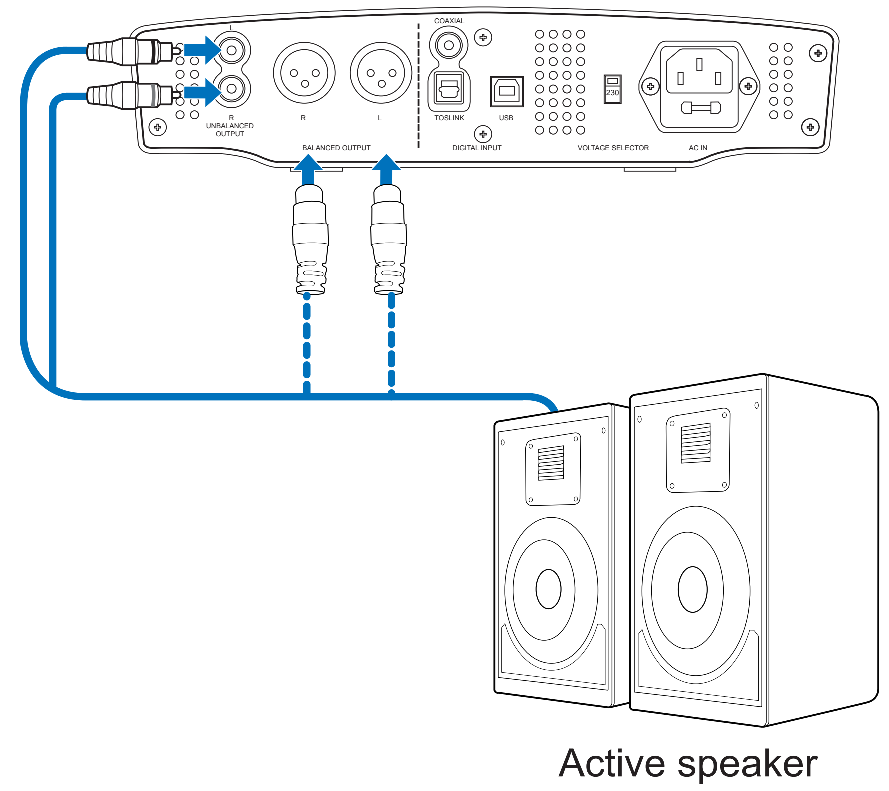
Connectivity Options

Connecting a desktop PC or notebook PC

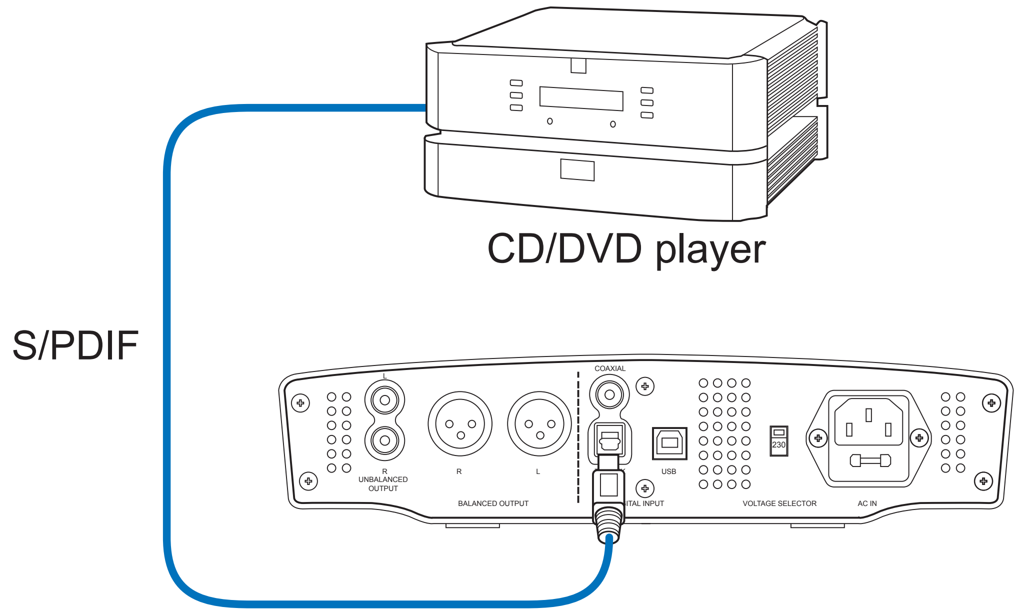


1. Connect a USB B-A type cable to the Xonar Essence One's rear USB port to a USB port on your desktop PC or notebook PC.
2. Power on the Xonar Essence One and select USB input using the front panel. Ensure that the USB LED is on.
3. Install the device driver from the support CD.

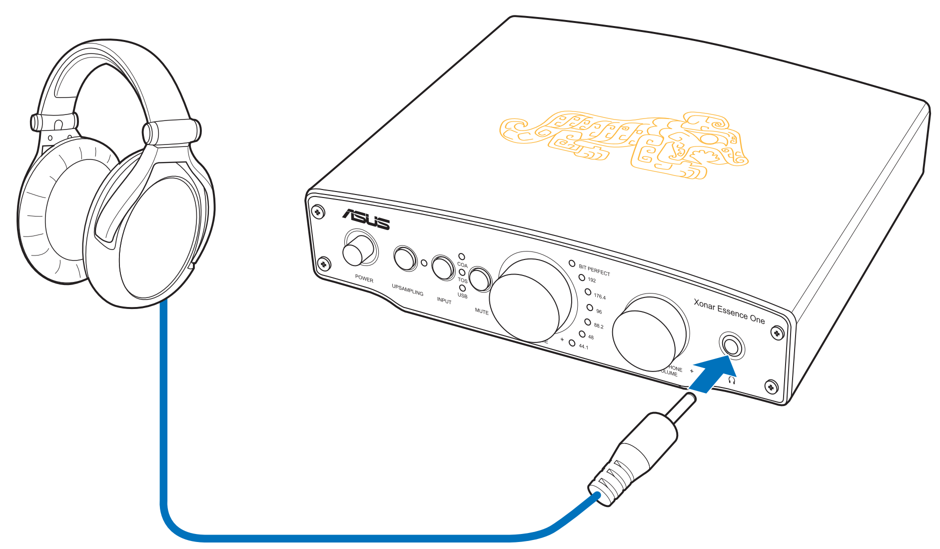
With Active Speaker directly



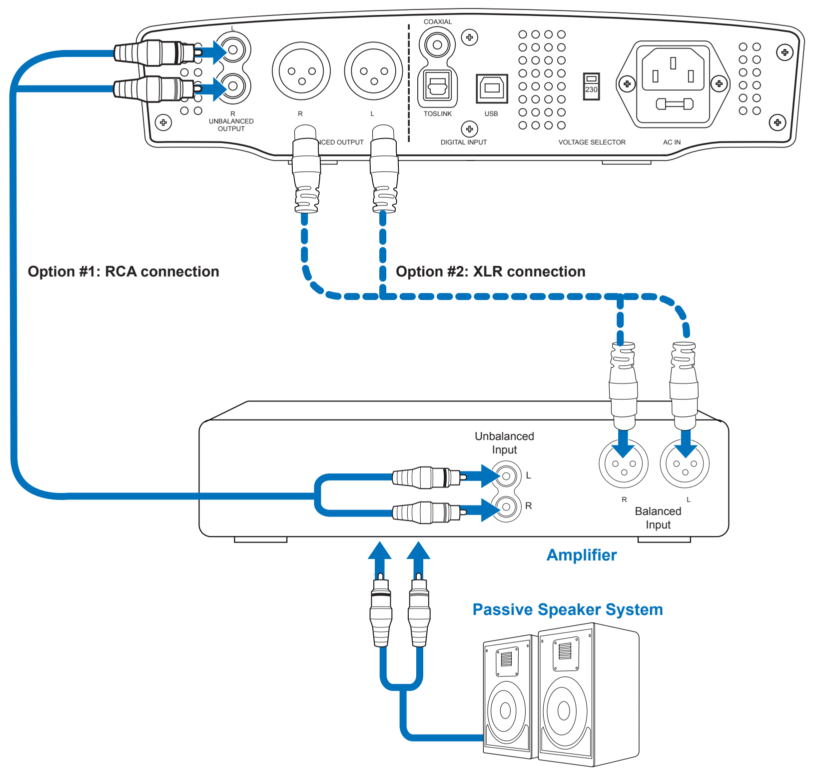
Toslink and Coaxial S/PDIF audio input



With Headphone/Headset



With Amplifier and Passive Speaker System



ASUS WARRANTY UPDATE

Inspiring Innovation • Persistent Perfection

From 1 January 2012 updated warranties apply to all ASUS products, consistent with the Australian Consumer Law.

For the latest product warranty details please visit: ***http://support.asus.com***

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

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